

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Savannah

5102 LaRoche Avenue

Savannah, GA 31404

Tel: (912)354-7858

TestAmerica Job ID: 680-115432-1

Client Project/Site: Gold King Mine - Region 9

For:

Weston Solutions, Inc.

1400 Weston Way

PO BOX 2653

West Chester, Pennsylvania 19380

Attn: Ms. Gretchen Fodor



Authorized for release by:

8/12/2015 1:24:36 PM

Sheila Hoffman, Project Manager II

(912)354-7858 e.3004

sheila.hoffman@testamericainc.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Case Narrative

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-1

Job ID: 680-115432-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Weston Solutions, Inc.

Project: Gold King Mine - Region 9

Report Number: 680-115432-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 08/11/2015; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.2° C, 4.2° C, 4.4° C and 4.8° C.

DISSOLVED METALS (ICP)

Samples SJBB-080915-11 (680-115432-1), SJMH-080915-11 (680-115432-2), SJMC-080915-11 (680-115432-3), SJDS-080915-11 (680-115432-4), SJSR-080915-11 (680-115432-5), SJ4C-080915-11 (680-115432-6), SJFP-080915-11 (680-115432-7), SJHB-080915-11 (680-115432-8), SJLP-080915-11 (680-115432-9), MECT-080915-11 (680-115432-10), SJME-080915-11 (680-115432-11) and SJME-080915-12 (680-115432-12) were analyzed for dissolved metals (ICP) in accordance with EPA Method 200.7. The samples were prepared and analyzed on 08/11/2015.

Calcium, Dissolved and Sodium, Dissolved failed the recovery criteria low for the MS of sample SJBB-080915-11MS (680-115432-1) in batch 680-395618.

Refer to the QC report for details.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL METALS (ICP)

Samples SJBB-080915-11 (680-115432-1), SJMH-080915-11 (680-115432-2), SJMC-080915-11 (680-115432-3), SJDS-080915-11 (680-115432-4), SJSR-080915-11 (680-115432-5), SJ4C-080915-11 (680-115432-6), SJFP-080915-11 (680-115432-7), SJHB-080915-11 (680-115432-8), SJLP-080915-11 (680-115432-9), MECT-080915-11 (680-115432-10), SJME-080915-11 (680-115432-11) and SJME-080915-12 (680-115432-12) were analyzed for total metals (ICP) in accordance with EPA Method 200.7. The samples were prepared on 08/11/2015 and analyzed on 08/11/2015 and 08/12/2015.

Calcium, Iron, Magnesium and Sodium failed the recovery criteria low for the MS of sample SJBB-080915-11MS (680-115432-1) in batch 680-395618. Aluminum failed the recovery criteria high.

Several analytes failed the recovery criteria low for the MSD of sample SJBB-080915-11MSD (680-115432-1) in batch 680-395618.

Aluminum, Calcium, Iron and Magnesium failed the recovery criteria low for the MS of sample SJLP-080915-11MS (680-115432-9) in batch 680-395618.

Aluminum, Calcium, Iron and Magnesium failed the recovery criteria low for the MSD of sample SJLP-080915-11MSD (680-115432-9) in batch 680-395618.

TestAmerica Savannah

Case Narrative

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-1

Job ID: 680-115432-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

The presence of the '4' qualifier indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

Sample SJMH-080915-11 (680-115432-2)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

DISSOLVED MERCURY (CVAA)

Samples SJBB-080915-11 (680-115432-1), SJMH-080915-11 (680-115432-2), SJMC-080915-11 (680-115432-3), SJDS-080915-11 (680-115432-4), SJSR-080915-11 (680-115432-5), SJ4C-080915-11 (680-115432-6), SJFP-080915-11 (680-115432-7), SJHB-080915-11 (680-115432-8), SJLP-080915-11 (680-115432-9), MECT-080915-11 (680-115432-10), SJME-080915-11 (680-115432-11) and SJME-080915-12 (680-115432-12) were analyzed for dissolved mercury (CVAA) in accordance with EPA Method 245.1. The samples were prepared and analyzed on 08/11/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL MERCURY

Samples SJBB-080915-11 (680-115432-1), SJMH-080915-11 (680-115432-2), SJMC-080915-11 (680-115432-3), SJDS-080915-11 (680-115432-4), SJSR-080915-11 (680-115432-5), SJ4C-080915-11 (680-115432-6), SJFP-080915-11 (680-115432-7), SJHB-080915-11 (680-115432-8), SJLP-080915-11 (680-115432-9), MECT-080915-11 (680-115432-10), SJME-080915-11 (680-115432-11) and SJME-080915-12 (680-115432-12) were analyzed for total mercury in accordance with EPA Method 245.1. The samples were prepared and analyzed on 08/11/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

ALKALINITY

Samples SJBB-080915-11 (680-115432-1), SJMH-080915-11 (680-115432-2), SJMC-080915-11 (680-115432-3), SJDS-080915-11 (680-115432-4), SJSR-080915-11 (680-115432-5), SJ4C-080915-11 (680-115432-6), SJFP-080915-11 (680-115432-7), SJHB-080915-11 (680-115432-8), SJLP-080915-11 (680-115432-9), MECT-080915-11 (680-115432-10), SJME-080915-11 (680-115432-11) and SJME-080915-12 (680-115432-12) were analyzed for alkalinity in accordance with SM 2320B. The samples were analyzed on 08/11/2015 and 08/12/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL DISSOLVED SOLIDS

Samples SJBB-080915-11 (680-115432-1), SJMH-080915-11 (680-115432-2), SJMC-080915-11 (680-115432-3), SJDS-080915-11 (680-115432-4), SJSR-080915-11 (680-115432-5), SJ4C-080915-11 (680-115432-6), SJFP-080915-11 (680-115432-7), SJHB-080915-11 (680-115432-8), SJLP-080915-11 (680-115432-9), MECT-080915-11 (680-115432-10), SJME-080915-11 (680-115432-11) and SJME-080915-12 (680-115432-12) were analyzed for total dissolved solids in accordance with SM 2540C. The samples were analyzed on 08/11/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL SUSPENDED SOLIDS

Samples SJBB-080915-11 (680-115432-1), SJMH-080915-11 (680-115432-2), SJMC-080915-11 (680-115432-3), SJDS-080915-11 (680-115432-4), SJSR-080915-11 (680-115432-5), SJ4C-080915-11 (680-115432-6), SJFP-080915-11 (680-115432-7), SJHB-080915-11 (680-115432-8), SJLP-080915-11 (680-115432-9), MECT-080915-11 (680-115432-10), SJME-080915-11 (680-115432-11) and SJME-080915-12 (680-115432-12) were analyzed for total suspended solids in accordance with SM 2540D. The samples were analyzed on 08/11/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Case Narrative

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-1

Job ID: 680-115432-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

TOTAL HARDNESS (AS CaCO₃) BY CALCULATION

Samples SJBB-080915-11 (680-115432-1), SJMH-080915-11 (680-115432-2), SJMC-080915-11 (680-115432-3), SJDS-080915-11 (680-115432-4), SJSR-080915-11 (680-115432-5), SJ4C-080915-11 (680-115432-6), SJFP-080915-11 (680-115432-7), SJHB-080915-11 (680-115432-8), SJLP-080915-11 (680-115432-9), MECT-080915-11 (680-115432-10), SJME-080915-11 (680-115432-11) and SJME-080915-12 (680-115432-12) were analyzed for total hardness (as CaCO₃) by calculation in accordance with SM 2340B. The samples were analyzed on 08/11/2015 and 08/12/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

CORROSIVITY (PH)

Samples SJBB-080915-11 (680-115432-1), SJMH-080915-11 (680-115432-2), SJMC-080915-11 (680-115432-3), SJDS-080915-11 (680-115432-4), SJSR-080915-11 (680-115432-5), SJ4C-080915-11 (680-115432-6), SJFP-080915-11 (680-115432-7), SJHB-080915-11 (680-115432-8), SJLP-080915-11 (680-115432-9), MECT-080915-11 (680-115432-10), SJME-080915-11 (680-115432-11) and SJME-080915-12 (680-115432-12) were analyzed for corrosivity (pH) in accordance with SM 4500 H+ B. The samples were analyzed on 08/11/2015 and 08/12/2015.

This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. This sample(s) was performed in the laboratory outside the 15 minute timeframe.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-115432-1	SJBB-080915-11	Water	08/09/15 18:25	08/11/15 09:39
680-115432-2	SJMH-080915-11	Water	08/09/15 19:05	08/11/15 09:39
680-115432-3	SJMC-080915-11	Water	08/09/15 17:50	08/11/15 09:39
680-115432-4	SJDS-080915-11	Water	08/09/15 13:15	08/11/15 09:39
680-115432-5	SJSR-080915-11	Water	08/09/15 12:35	08/11/15 09:39
680-115432-6	SJ4C-080915-11	Water	08/09/15 15:31	08/11/15 09:39
680-115432-7	SJFP-080915-11	Water	08/09/15 10:15	08/11/15 09:39
680-115432-8	SJHB-080915-11	Water	08/09/15 11:31	08/11/15 09:39
680-115432-9	SJLP-080915-11	Water	08/09/15 09:54	08/11/15 09:39
680-115432-10	MECT-080915-11	Water	08/09/15 14:05	08/11/15 09:39
680-115432-11	SJME-080915-11	Water	08/09/15 16:35	08/11/15 09:39
680-115432-12	SJME-080915-12	Water	08/09/15 16:35	08/11/15 09:39

TestAmerica Savannah

Method Summary

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-1

Method	Method Description	Protocol	Laboratory
200.7 Rev 4.4	Metals (ICP)	EPA	TAL SAV
2340B-2011	Total Hardness (as CaCO ₃) by calculation	SM	TAL SAV
245.1	Mercury (CVAA)	EPA	TAL SAV
2320B-2011	Alkalinity, Total	SM	TAL SAV
2540 D-2011	Total Suspended Solids Dried at 103-105°C	SM	TAL SAV
2540C-2011	Total Dissolved Solids (Dried at 180 °C)	SM	TAL SAV
4500 H+ B-2011	pH	SM	TAL SAV

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater",

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TestAmerica Savannah

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-1

Qualifiers

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-1

Client Sample ID: SJBB-080915-11

Lab Sample ID: 680-115432-1

Date Collected: 08/09/15 18:25

Matrix: Water

Date Received: 08/11/15 09:39

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	53000		200	24	ug/L		08/11/15 12:52	08/11/15 21:45	1
Calcium	130000		500	25	ug/L		08/11/15 12:52	08/11/15 21:45	1
Iron	43000		50	17	ug/L		08/11/15 12:52	08/11/15 21:45	1
Magnesium	26000		500	33	ug/L		08/11/15 12:52	08/11/15 21:45	1
Potassium	13000		1000	17	ug/L		08/11/15 12:52	08/11/15 21:45	1
Sodium	35000		1000	480	ug/L		08/11/15 12:52	08/11/15 21:45	1

Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	24	U	200	24	ug/L		08/11/15 12:52	08/11/15 20:26	1
Calcium, Dissolved	57000		500	25	ug/L		08/11/15 12:52	08/11/15 20:26	1
Iron, Dissolved	17	U	50	17	ug/L		08/11/15 12:52	08/11/15 20:26	1
Potassium, Dissolved	3400		1000	17	ug/L		08/11/15 12:52	08/11/15 20:26	1
Magnesium, Dissolved	8000		500	33	ug/L		08/11/15 12:52	08/11/15 20:26	1
Sodium, Dissolved	31000		1000	480	ug/L		08/11/15 12:52	08/11/15 20:26	1

Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	430		3.3	3.3	mg/L			08/11/15 21:45	1

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L		08/11/15 13:44	08/11/15 20:36	1

Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L		08/11/15 13:44	08/11/15 19:56	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.10	HF			SU			08/11/15 18:38	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	110		5.0	5.0	mg/L			08/11/15 18:38	1
Total Suspended Solids	430		33	33	mg/L			08/11/15 11:35	1
Total Dissolved Solids	310		10	10	mg/L			08/11/15 14:33	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-1

Client Sample ID: SJMH-080915-11

Lab Sample ID: 680-115432-2

Date Collected: 08/09/15 19:05

Matrix: Water

Date Received: 08/11/15 09:39

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	180000		200	24	ug/L		08/11/15 12:52	08/11/15 22:22	1
Calcium	480000		500	25	ug/L		08/11/15 12:52	08/11/15 22:22	1
Iron	85000		50	17	ug/L		08/11/15 12:52	08/11/15 22:22	1
Magnesium	95000		500	33	ug/L		08/11/15 12:52	08/11/15 22:22	1
Potassium	46000		10000	170	ug/L		08/11/15 12:52	08/12/15 10:02	10
Sodium	58000		1000	480	ug/L		08/11/15 12:52	08/11/15 22:22	1

Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	24	U	200	24	ug/L		08/11/15 12:52	08/11/15 20:45	1
Calcium, Dissolved	56000		500	25	ug/L		08/11/15 12:52	08/11/15 20:45	1
Iron, Dissolved	17	U	50	17	ug/L		08/11/15 12:52	08/11/15 20:45	1
Potassium, Dissolved	4400		1000	17	ug/L		08/11/15 12:52	08/11/15 20:45	1
Magnesium, Dissolved	8500		500	33	ug/L		08/11/15 12:52	08/11/15 20:45	1
Sodium, Dissolved	44000		1000	480	ug/L		08/11/15 12:52	08/11/15 20:45	1

Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	1600		3.3	3.3	mg/L			08/11/15 22:22	1

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L		08/11/15 13:44	08/11/15 20:55	1

Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L		08/11/15 13:44	08/11/15 20:14	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.12	HF			SU			08/11/15 18:44	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	110		5.0	5.0	mg/L			08/11/15 18:44	1
Total Suspended Solids	8200		50	50	mg/L			08/11/15 11:35	1
Total Dissolved Solids	260		10	10	mg/L			08/11/15 14:33	1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-1

Client Sample ID: SJMC-080915-11

Lab Sample ID: 680-115432-3

Date Collected: 08/09/15 17:50

Matrix: Water

Date Received: 08/11/15 09:39

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	46000		200	24	ug/L		08/11/15 12:52	08/11/15 22:27	1
Calcium	97000		500	25	ug/L		08/11/15 12:52	08/11/15 22:27	1
Iron	38000		50	17	ug/L		08/11/15 12:52	08/11/15 22:27	1
Magnesium	21000		500	33	ug/L		08/11/15 12:52	08/11/15 22:27	1
Potassium	11000		1000	17	ug/L		08/11/15 12:52	08/11/15 22:27	1
Sodium	32000		1000	480	ug/L		08/11/15 12:52	08/11/15 22:27	1

Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	28	J	200	24	ug/L		08/11/15 12:52	08/11/15 20:50	1
Calcium, Dissolved	57000		500	25	ug/L		08/11/15 12:52	08/11/15 20:50	1
Iron, Dissolved	17	U	50	17	ug/L		08/11/15 12:52	08/11/15 20:50	1
Potassium, Dissolved	3000		1000	17	ug/L		08/11/15 12:52	08/11/15 20:50	1
Magnesium, Dissolved	8200		500	33	ug/L		08/11/15 12:52	08/11/15 20:50	1
Sodium, Dissolved	30000		1000	480	ug/L		08/11/15 12:52	08/11/15 20:50	1

Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	330		3.3	3.3	mg/L			08/11/15 22:27	1

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L		08/11/15 13:44	08/11/15 20:58	1

Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L		08/11/15 13:44	08/11/15 20:17	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.14	HF			SU			08/11/15 18:51	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	100		5.0	5.0	mg/L			08/11/15 18:51	1
Total Suspended Solids	3300		50	50	mg/L			08/11/15 11:35	1
Total Dissolved Solids	160		10	10	mg/L			08/11/15 14:33	1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-1

Client Sample ID: SJDS-080915-11

Lab Sample ID: 680-115432-4

Date Collected: 08/09/15 13:15

Matrix: Water

Date Received: 08/11/15 09:39

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	31000		200	24	ug/L		08/11/15 12:52	08/11/15 22:32	1
Calcium	72000		500	25	ug/L		08/11/15 12:52	08/11/15 22:32	1
Iron	31000		50	17	ug/L		08/11/15 12:52	08/11/15 22:32	1
Magnesium	14000		500	33	ug/L		08/11/15 12:52	08/11/15 22:32	1
Potassium	8100		1000	17	ug/L		08/11/15 12:52	08/11/15 22:32	1
Sodium	26000		1000	480	ug/L		08/11/15 12:52	08/11/15 22:32	1

Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	1400		200	24	ug/L		08/11/15 12:52	08/11/15 20:54	1
Calcium, Dissolved	54000		500	25	ug/L		08/11/15 12:52	08/11/15 20:54	1
Iron, Dissolved	1000		50	17	ug/L		08/11/15 12:52	08/11/15 20:54	1
Potassium, Dissolved	2800		1000	17	ug/L		08/11/15 12:52	08/11/15 20:54	1
Magnesium, Dissolved	6800		500	33	ug/L		08/11/15 12:52	08/11/15 20:54	1
Sodium, Dissolved	24000		1000	480	ug/L		08/11/15 12:52	08/11/15 20:54	1

Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	240		3.3	3.3	mg/L			08/11/15 22:32	1

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L		08/11/15 13:44	08/11/15 21:01	1

Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L		08/11/15 13:44	08/11/15 20:20	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.07	HF			SU			08/11/15 18:58	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	92		5.0	5.0	mg/L			08/11/15 18:58	1
Total Suspended Solids	2100		50	50	mg/L			08/11/15 11:35	1
Total Dissolved Solids	160		10	10	mg/L			08/11/15 14:33	1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-1

Client Sample ID: SJSR-080915-11

Lab Sample ID: 680-115432-5

Date Collected: 08/09/15 12:35

Matrix: Water

Date Received: 08/11/15 09:39

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	43000		200	24	ug/L		08/11/15 12:52	08/11/15 22:36	1
Calcium	74000		500	25	ug/L		08/11/15 12:52	08/11/15 22:36	1
Iron	40000		50	17	ug/L		08/11/15 12:52	08/11/15 22:36	1
Magnesium	16000		500	33	ug/L		08/11/15 12:52	08/11/15 22:36	1
Potassium	9700		1000	17	ug/L		08/11/15 12:52	08/11/15 22:36	1
Sodium	29000		1000	480	ug/L		08/11/15 12:52	08/11/15 22:36	1

Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	1800		200	24	ug/L		08/11/15 12:52	08/11/15 21:08	1
Calcium, Dissolved	51000		500	25	ug/L		08/11/15 12:52	08/11/15 21:08	1
Iron, Dissolved	1300		50	17	ug/L		08/11/15 12:52	08/11/15 21:08	1
Potassium, Dissolved	2900		1000	17	ug/L		08/11/15 12:52	08/11/15 21:08	1
Magnesium, Dissolved	6500		500	33	ug/L		08/11/15 12:52	08/11/15 21:08	1
Sodium, Dissolved	26000		1000	480	ug/L		08/11/15 12:52	08/11/15 21:08	1

Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	250		3.3	3.3	mg/L			08/11/15 22:36	1

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L		08/11/15 13:44	08/11/15 21:04	1

Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L		08/11/15 13:44	08/11/15 20:24	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.11	HF			SU			08/11/15 19:05	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	95		5.0	5.0	mg/L			08/11/15 19:05	1
Total Suspended Solids	1600		50	50	mg/L			08/11/15 11:35	1
Total Dissolved Solids	320		10	10	mg/L			08/11/15 14:33	1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-1

Client Sample ID: SJ4C-080915-11

Lab Sample ID: 680-115432-6

Date Collected: 08/09/15 15:31

Matrix: Water

Date Received: 08/11/15 09:39

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	33000		200	24	ug/L		08/11/15 12:52	08/11/15 22:41	1
Calcium	87000		500	25	ug/L		08/11/15 12:52	08/11/15 22:41	1
Iron	35000		50	17	ug/L		08/11/15 12:52	08/11/15 22:41	1
Magnesium	17000		500	33	ug/L		08/11/15 12:52	08/11/15 22:41	1
Potassium	9300		1000	17	ug/L		08/11/15 12:52	08/11/15 22:41	1
Sodium	26000		1000	480	ug/L		08/11/15 12:52	08/11/15 22:41	1

Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	24	U	200	24	ug/L		08/11/15 12:52	08/11/15 21:13	1
Calcium, Dissolved	55000		500	25	ug/L		08/11/15 12:52	08/11/15 21:13	1
Iron, Dissolved	17	U	50	17	ug/L		08/11/15 12:52	08/11/15 21:13	1
Potassium, Dissolved	2800		1000	17	ug/L		08/11/15 12:52	08/11/15 21:13	1
Magnesium, Dissolved	6800		500	33	ug/L		08/11/15 12:52	08/11/15 21:13	1
Sodium, Dissolved	24000		1000	480	ug/L		08/11/15 12:52	08/11/15 21:13	1

Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	290		3.3	3.3	mg/L			08/11/15 22:41	1

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L		08/11/15 13:44	08/11/15 21:07	1

Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L		08/11/15 13:44	08/11/15 20:27	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.08	HF			SU			08/11/15 19:12	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	88		5.0	5.0	mg/L			08/11/15 19:12	1
Total Suspended Solids	2000		50	50	mg/L			08/11/15 13:06	1
Total Dissolved Solids	140		10	10	mg/L			08/11/15 14:33	1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-1

Client Sample ID: SJFP-080915-11

Lab Sample ID: 680-115432-7

Date Collected: 08/09/15 10:15

Matrix: Water

Date Received: 08/11/15 09:39

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	25000		200	24	ug/L		08/11/15 13:06	08/11/15 22:45	1
Calcium	64000		500	25	ug/L		08/11/15 13:06	08/11/15 22:45	1
Iron	22000		50	17	ug/L		08/11/15 13:06	08/11/15 22:45	1
Magnesium	13000		500	33	ug/L		08/11/15 13:06	08/11/15 22:45	1
Potassium	7300		1000	17	ug/L		08/11/15 13:06	08/11/15 22:45	1
Sodium	22000		1000	480	ug/L		08/11/15 13:06	08/11/15 22:45	1

Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	24	U	200	24	ug/L		08/11/15 12:52	08/11/15 21:17	1
Calcium, Dissolved	50000		500	25	ug/L		08/11/15 12:52	08/11/15 21:17	1
Iron, Dissolved	17	U	50	17	ug/L		08/11/15 12:52	08/11/15 21:17	1
Potassium, Dissolved	2300		1000	17	ug/L		08/11/15 12:52	08/11/15 21:17	1
Magnesium, Dissolved	6500		500	33	ug/L		08/11/15 12:52	08/11/15 21:17	1
Sodium, Dissolved	20000		1000	480	ug/L		08/11/15 12:52	08/11/15 21:17	1

Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	210		3.3	3.3	mg/L			08/11/15 22:45	1

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L		08/11/15 13:44	08/11/15 21:10	1

Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L		08/11/15 13:44	08/11/15 20:30	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.03	HF			SU			08/11/15 19:31	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	93		5.0	5.0	mg/L			08/11/15 19:31	1
Total Suspended Solids	1100		50	50	mg/L			08/11/15 13:06	1
Total Dissolved Solids	240		10	10	mg/L			08/11/15 14:33	1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-1

Client Sample ID: SJHB-080915-11

Lab Sample ID: 680-115432-8

Date Collected: 08/09/15 11:31

Matrix: Water

Date Received: 08/11/15 09:39

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	35000		200	24	ug/L		08/11/15 13:06	08/11/15 22:59	1
Calcium	81000		500	25	ug/L		08/11/15 13:06	08/11/15 22:59	1
Iron	31000		50	17	ug/L		08/11/15 13:06	08/11/15 22:59	1
Magnesium	16000		500	33	ug/L		08/11/15 13:06	08/11/15 22:59	1
Potassium	9200		1000	17	ug/L		08/11/15 13:06	08/11/15 22:59	1
Sodium	24000		1000	480	ug/L		08/11/15 13:06	08/11/15 22:59	1

Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	330		200	24	ug/L		08/11/15 12:52	08/11/15 21:22	1
Calcium, Dissolved	52000		500	25	ug/L		08/11/15 12:52	08/11/15 21:22	1
Iron, Dissolved	220		50	17	ug/L		08/11/15 12:52	08/11/15 21:22	1
Potassium, Dissolved	2500		1000	17	ug/L		08/11/15 12:52	08/11/15 21:22	1
Magnesium, Dissolved	6800		500	33	ug/L		08/11/15 12:52	08/11/15 21:22	1
Sodium, Dissolved	22000		1000	480	ug/L		08/11/15 12:52	08/11/15 21:22	1

Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	270		3.3	3.3	mg/L			08/11/15 22:59	1

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L		08/11/15 13:44	08/11/15 21:13	1

Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L		08/11/15 13:44	08/11/15 20:33	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.12	HF			SU			08/11/15 19:38	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	94		5.0	5.0	mg/L			08/11/15 19:38	1
Total Suspended Solids	2200		50	50	mg/L			08/11/15 13:06	1
Total Dissolved Solids	310		10	10	mg/L			08/11/15 14:33	1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-1

Client Sample ID: SJLP-080915-11

Lab Sample ID: 680-115432-9

Date Collected: 08/09/15 09:54

Matrix: Water

Date Received: 08/11/15 09:39

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	25000		200	24	ug/L		08/11/15 13:33	08/11/15 23:18	1
Calcium	72000		500	25	ug/L		08/11/15 13:33	08/11/15 23:18	1
Iron	24000		50	17	ug/L		08/11/15 13:33	08/11/15 23:18	1
Magnesium	13000		500	33	ug/L		08/11/15 13:33	08/11/15 23:18	1
Potassium	7600		1000	17	ug/L		08/11/15 13:33	08/11/15 23:18	1
Sodium	20000		1000	480	ug/L		08/11/15 13:33	08/11/15 23:18	1

Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	24	U	200	24	ug/L		08/11/15 12:52	08/11/15 21:27	1
Calcium, Dissolved	51000		500	25	ug/L		08/11/15 12:52	08/11/15 21:27	1
Iron, Dissolved	17	U	50	17	ug/L		08/11/15 12:52	08/11/15 21:27	1
Potassium, Dissolved	2400		1000	17	ug/L		08/11/15 12:52	08/11/15 21:27	1
Magnesium, Dissolved	6600		500	33	ug/L		08/11/15 12:52	08/11/15 21:27	1
Sodium, Dissolved	19000		1000	480	ug/L		08/11/15 12:52	08/11/15 21:27	1

Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	230		3.3	3.3	mg/L			08/11/15 23:18	1

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L		08/11/15 15:17	08/11/15 19:28	1

Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L		08/11/15 15:17	08/11/15 19:06	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.10	HF			SU			08/11/15 19:46	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	92		5.0	5.0	mg/L			08/11/15 19:46	1
Total Suspended Solids	1600		50	50	mg/L			08/11/15 13:06	1
Total Dissolved Solids	280		10	10	mg/L			08/11/15 14:33	1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-1

Client Sample ID: MECT-080915-11

Lab Sample ID: 680-115432-10

Date Collected: 08/09/15 14:05

Matrix: Water

Date Received: 08/11/15 09:39

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8600		200	24	ug/L		08/11/15 13:33	08/11/15 23:36	1
Calcium	190000		500	25	ug/L		08/11/15 13:33	08/11/15 23:36	1
Iron	7600		50	17	ug/L		08/11/15 13:33	08/11/15 23:36	1
Magnesium	73000		500	33	ug/L		08/11/15 13:33	08/11/15 23:36	1
Potassium	8100		1000	17	ug/L		08/11/15 13:33	08/11/15 23:36	1
Sodium	67000		1000	480	ug/L		08/11/15 13:33	08/11/15 23:36	1

Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	62	J	200	24	ug/L		08/11/15 12:52	08/11/15 21:31	1
Calcium, Dissolved	160000		500	25	ug/L		08/11/15 12:52	08/11/15 21:31	1
Iron, Dissolved	17	J	50	17	ug/L		08/11/15 12:52	08/11/15 21:31	1
Potassium, Dissolved	5400		1000	17	ug/L		08/11/15 12:52	08/11/15 21:31	1
Magnesium, Dissolved	68000		500	33	ug/L		08/11/15 12:52	08/11/15 21:31	1
Sodium, Dissolved	67000		1000	480	ug/L		08/11/15 12:52	08/11/15 21:31	1

Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	780		3.3	3.3	mg/L			08/11/15 23:36	1

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L		08/11/15 15:17	08/11/15 19:37	1

Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L		08/11/15 15:17	08/11/15 19:19	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.26	HF			SU			08/12/15 07:04	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	210		5.0	5.0	mg/L			08/12/15 07:04	1
Total Suspended Solids	620		33	33	mg/L			08/11/15 13:06	1
Total Dissolved Solids	1000		10	10	mg/L			08/11/15 14:33	1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-1

Client Sample ID: SJME-080915-11

Lab Sample ID: 680-115432-11

Date Collected: 08/09/15 16:35

Matrix: Water

Date Received: 08/11/15 09:39

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	59000		200	24	ug/L		08/11/15 13:33	08/12/15 00:00	1
Calcium	130000		500	25	ug/L		08/11/15 13:33	08/12/15 00:00	1
Iron	47000		50	17	ug/L		08/11/15 13:33	08/12/15 00:00	1
Magnesium	27000		500	33	ug/L		08/11/15 13:33	08/12/15 00:00	1
Potassium	15000		1000	17	ug/L		08/11/15 13:33	08/12/15 00:00	1
Sodium	32000		1000	480	ug/L		08/11/15 13:33	08/12/15 00:00	1

Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	3200		200	24	ug/L		08/11/15 12:52	08/11/15 21:36	1
Calcium, Dissolved	59000		500	25	ug/L		08/11/15 12:52	08/11/15 21:36	1
Iron, Dissolved	2000		50	17	ug/L		08/11/15 12:52	08/11/15 21:36	1
Potassium, Dissolved	3900		1000	17	ug/L		08/11/15 12:52	08/11/15 21:36	1
Magnesium, Dissolved	7800		500	33	ug/L		08/11/15 12:52	08/11/15 21:36	1
Sodium, Dissolved	31000		1000	480	ug/L		08/11/15 12:52	08/11/15 21:36	1

Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	430		3.3	3.3	mg/L			08/12/15 00:00	1

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L		08/11/15 15:17	08/11/15 19:40	1

Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L		08/11/15 15:17	08/11/15 19:22	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.01	HF			SU			08/12/15 07:16	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	96		5.0	5.0	mg/L			08/12/15 07:16	1
Total Suspended Solids	3000		50	50	mg/L			08/11/15 13:06	1
Total Dissolved Solids	340		10	10	mg/L			08/11/15 14:33	1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-1

Client Sample ID: SJME-080915-12

Lab Sample ID: 680-115432-12

Date Collected: 08/09/15 16:35

Matrix: Water

Date Received: 08/11/15 09:39

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	58000		200	24	ug/L		08/11/15 13:33	08/12/15 00:04	1
Calcium	130000		500	25	ug/L		08/11/15 13:33	08/12/15 00:04	1
Iron	46000		50	17	ug/L		08/11/15 13:33	08/12/15 00:04	1
Magnesium	27000		500	33	ug/L		08/11/15 13:33	08/12/15 00:04	1
Potassium	15000		1000	17	ug/L		08/11/15 13:33	08/12/15 00:04	1
Sodium	33000		1000	480	ug/L		08/11/15 13:33	08/12/15 00:04	1

Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	5700		200	24	ug/L		08/11/15 12:52	08/11/15 21:41	1
Calcium, Dissolved	61000		500	25	ug/L		08/11/15 12:52	08/11/15 21:41	1
Iron, Dissolved	3500		50	17	ug/L		08/11/15 12:52	08/11/15 21:41	1
Potassium, Dissolved	4500		1000	17	ug/L		08/11/15 12:52	08/11/15 21:41	1
Magnesium, Dissolved	8500		500	33	ug/L		08/11/15 12:52	08/11/15 21:41	1
Sodium, Dissolved	31000		1000	480	ug/L		08/11/15 12:52	08/11/15 21:41	1

Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	440		3.3	3.3	mg/L			08/12/15 00:04	1

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L		08/11/15 15:18	08/11/15 19:43	1

Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L		08/11/15 15:17	08/11/15 19:25	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.08	HF			SU			08/12/15 07:23	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	91		5.0	5.0	mg/L			08/12/15 07:23	1
Total Suspended Solids	2900		50	50	mg/L			08/11/15 13:06	1
Total Dissolved Solids	330		10	10	mg/L			08/11/15 14:33	1

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-1

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 680-395502/1-A
Matrix: Water
Analysis Batch: 395618

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 395502

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	24	U	200	24	ug/L		08/11/15 12:52	08/11/15 20:13	1
Aluminum, Dissolved	24	U	200	24	ug/L		08/11/15 12:52	08/11/15 20:13	1
Calcium	25	U	500	25	ug/L		08/11/15 12:52	08/11/15 20:13	1
Calcium, Dissolved	25	U	500	25	ug/L		08/11/15 12:52	08/11/15 20:13	1
Iron	17	U	50	17	ug/L		08/11/15 12:52	08/11/15 20:13	1
Iron, Dissolved	17	U	50	17	ug/L		08/11/15 12:52	08/11/15 20:13	1
Magnesium	33	U	500	33	ug/L		08/11/15 12:52	08/11/15 20:13	1
Magnesium, Dissolved	33	U	500	33	ug/L		08/11/15 12:52	08/11/15 20:13	1
Potassium	17	U	1000	17	ug/L		08/11/15 12:52	08/11/15 20:13	1
Potassium, Dissolved	17	U	1000	17	ug/L		08/11/15 12:52	08/11/15 20:13	1
Sodium	480	U	1000	480	ug/L		08/11/15 12:52	08/11/15 20:13	1
Sodium, Dissolved	480	U	1000	480	ug/L		08/11/15 12:52	08/11/15 20:13	1

Lab Sample ID: LCS 680-395502/2-A
Matrix: Water
Analysis Batch: 395618

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 395502
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Aluminum	2000	1990		ug/L		99	85 - 115
Aluminum, Dissolved	2000	1990		ug/L		99	85 - 115
Calcium	2000	2080		ug/L		104	85 - 115
Calcium, Dissolved	2000	2080		ug/L		104	85 - 115
Iron	2000	2050		ug/L		103	85 - 115
Iron, Dissolved	2000	2050		ug/L		103	85 - 115
Magnesium	2000	2050		ug/L		103	85 - 115
Magnesium, Dissolved	2000	2050		ug/L		103	85 - 115
Potassium	2000	2100		ug/L		105	85 - 115
Potassium, Dissolved	2000	2100		ug/L		105	85 - 115
Sodium	2000	1940		ug/L		97	85 - 115
Sodium, Dissolved	2000	1940		ug/L		97	85 - 115

Lab Sample ID: 680-115432-1 MS
Matrix: Water
Analysis Batch: 395618

Client Sample ID: SJBB-080915-11
Prep Type: Total/NA
Prep Batch: 395502
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Aluminum	53000		2000	55900	4	ug/L		152	75 - 125
Calcium	130000		2000	123000	4	ug/L		-196	75 - 125
Iron	43000		2000	44700	4	ug/L		72	75 - 125
Magnesium	26000		2000	27700	4	ug/L		62	75 - 125
Potassium	13000		2000	15600	4	ug/L		117	75 - 125
Sodium	35000		2000	35500	4	ug/L		30	75 - 125

Lab Sample ID: 680-115432-1 MSD
Matrix: Water
Analysis Batch: 395618

Client Sample ID: SJBB-080915-11
Prep Type: Total/NA
Prep Batch: 395502
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Aluminum	53000		2000	51900	4	ug/L		-48	75 - 125	7	20

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-1

Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: 680-115432-1 MSD

Matrix: Water

Analysis Batch: 395618

Client Sample ID: SJBB-080915-11

Prep Type: Total/NA

Prep Batch: 395502

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Calcium	130000		2000	126000	4	ug/L		-45	75 - 125	2	20
Iron	43000		2000	42300	4	ug/L		-51	75 - 125	6	20
Magnesium	26000		2000	27400	4	ug/L		45	75 - 125	1	20
Potassium	13000		2000	14700	4	ug/L		76	75 - 125	5	20
Sodium	35000		2000	36300	4	ug/L		71	75 - 125	2	20

Lab Sample ID: 680-115432-1 DU

Matrix: Water

Analysis Batch: 395618

Client Sample ID: SJBB-080915-11

Prep Type: Total/NA

Prep Batch: 395502

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	53000		51700		ug/L		2	20
Calcium	130000		127000		ug/L		0.2	20
Iron	43000		41700		ug/L		4	20
Magnesium	26000		25900		ug/L		2	20
Potassium	13000		13000		ug/L		2	20
Sodium	35000		34900		ug/L		0.2	20

Lab Sample ID: MB 680-395508/1-A

Matrix: Water

Analysis Batch: 395618

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 395508

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	24	U	200	24	ug/L		08/11/15 13:33	08/11/15 23:04	1
Calcium	25	U	500	25	ug/L		08/11/15 13:33	08/11/15 23:04	1
Iron	17	U	50	17	ug/L		08/11/15 13:33	08/11/15 23:04	1
Magnesium	33	U	500	33	ug/L		08/11/15 13:33	08/11/15 23:04	1
Potassium	17	U	1000	17	ug/L		08/11/15 13:33	08/11/15 23:04	1
Sodium	480	U	1000	480	ug/L		08/11/15 13:33	08/11/15 23:04	1

Lab Sample ID: LCS 680-395508/2-A

Matrix: Water

Analysis Batch: 395618

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 395508

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	2000	1980		ug/L		99	85 - 115
Calcium	2000	2100		ug/L		105	85 - 115
Iron	2000	2030		ug/L		102	85 - 115
Magnesium	2000	2050		ug/L		102	85 - 115
Potassium	2000	2100		ug/L		105	85 - 115
Sodium	2000	1870		ug/L		93	85 - 115

Lab Sample ID: 680-115432-9 MS

Matrix: Water

Analysis Batch: 395618

Client Sample ID: SJLP-080915-11

Prep Type: Total/NA

Prep Batch: 395508

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	25000		2000	26400	4	ug/L		54	75 - 125
Calcium	72000		2000	72700	4	ug/L		24	75 - 125

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-1

Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: 680-115432-9 MS

Matrix: Water

Analysis Batch: 395618

Client Sample ID: SJLP-080915-11

Prep Type: Total/NA

Prep Batch: 395508

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Iron	24000		2000	23900	4	ug/L		4	75 - 125
Magnesium	13000		2000	14400	4	ug/L		74	75 - 125
Potassium	7600		2000	9350		ug/L		88	75 - 125
Sodium	20000		2000	21400	4	ug/L		78	75 - 125

Lab Sample ID: 680-115432-9 MSD

Matrix: Water

Analysis Batch: 395618

Client Sample ID: SJLP-080915-11

Prep Type: Total/NA

Prep Batch: 395508

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Aluminum	25000		2000	25700	4	ug/L		18	75 - 125	3	20
Calcium	72000		2000	72400	4	ug/L		8	75 - 125	0	20
Iron	24000		2000	23200	4	ug/L		-33	75 - 125	3	20
Magnesium	13000		2000	14300	4	ug/L		67	75 - 125	1	20
Potassium	7600		2000	9270		ug/L		84	75 - 125	1	20
Sodium	20000		2000	21400	4	ug/L		76	75 - 125	0	20

Lab Sample ID: 680-115432-9 DU

Matrix: Water

Analysis Batch: 395618

Client Sample ID: SJLP-080915-11

Prep Type: Total/NA

Prep Batch: 395508

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Aluminum	25000		22300		ug/L		13	20
Calcium	72000		70900		ug/L		2	20
Iron	24000		20200		ug/L		16	20
Magnesium	13000		12000		ug/L		7	20
Potassium	7600		6830		ug/L		11	20
Sodium	20000		19400		ug/L		2	20

Lab Sample ID: 680-115432-1 MS

Matrix: Water

Analysis Batch: 395618

Client Sample ID: SJBB-080915-11

Prep Type: Dissolved

Prep Batch: 395502

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Aluminum, Dissolved	24	U	2000	2030		ug/L		101	75 - 125
Calcium, Dissolved	57000		2000	57300	4	ug/L		16	75 - 125
Iron, Dissolved	17	U	2000	2010		ug/L		101	75 - 125
Magnesium, Dissolved	8000		2000	9870	4	ug/L		91	75 - 125
Potassium, Dissolved	3400		2000	5530		ug/L		107	75 - 125
Sodium, Dissolved	31000		2000	32200	4	ug/L		59	75 - 125

Lab Sample ID: 680-115432-1 MSD

Matrix: Water

Analysis Batch: 395618

Client Sample ID: SJBB-080915-11

Prep Type: Dissolved

Prep Batch: 395502

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Aluminum, Dissolved	24	U	2000	2040		ug/L		102	75 - 125	0	20
Calcium, Dissolved	57000		2000	58900	4	ug/L		93	75 - 125	3	20
Iron, Dissolved	17	U	2000	2030		ug/L		101	75 - 125	1	20

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-1

Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: 680-115432-1 MSD

Matrix: Water

Analysis Batch: 395618

Client Sample ID: SJBB-080915-11

Prep Type: Dissolved

Prep Batch: 395502

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Magnesium, Dissolved	8000		2000	10100	4	ug/L		101	75 - 125	2	20
Potassium, Dissolved	3400		2000	5600		ug/L		111	75 - 125	1	20
Sodium, Dissolved	31000		2000	33000	4	ug/L		99	75 - 125	2	20

Lab Sample ID: 680-115432-1 DU

Matrix: Water

Analysis Batch: 395618

Client Sample ID: SJBB-080915-11

Prep Type: Dissolved

Prep Batch: 395502

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum, Dissolved	24	U	24	U	ug/L		NC	20
Calcium, Dissolved	57000		56200		ug/L		1	20
Iron, Dissolved	17	U	17	U	ug/L		NC	20
Magnesium, Dissolved	8000		7920		ug/L		2	20
Potassium, Dissolved	3400		3320		ug/L		2	20
Sodium, Dissolved	31000		30400		ug/L		2	20

Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Lab Sample ID: MB 680-395679/12

Matrix: Water

Analysis Batch: 395679

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	3.3	U	3.3	3.3 mg/L			08/11/15 20:13	1

Lab Sample ID: MB 680-395680/1

Matrix: Water

Analysis Batch: 395680

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	3.3	U	3.3	3.3 mg/L			08/11/15 23:04	1

Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MB 680-395513/1-A

Matrix: Water

Analysis Batch: 395684

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 395513

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L		08/11/15 13:44	08/12/15 11:20	1
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L		08/11/15 13:44	08/12/15 11:20	1

Lab Sample ID: LCS 680-395513/3-A

Matrix: Water

Analysis Batch: 395684

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 395513

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	2.50	2.52		ug/L		101	85 - 115
Mercury, Dissolved	2.50	2.52		ug/L		101	85 - 115

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-1

Lab Sample ID: 680-115432-1 MS
Matrix: Water
Analysis Batch: 395684

Client Sample ID: SJBB-080915-11
Prep Type: Total/NA
Prep Batch: 395513
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	0.080	U	1.00	1.02		ug/L		102	70 - 130

Lab Sample ID: 680-115432-1 MSD
Matrix: Water
Analysis Batch: 395684

Client Sample ID: SJBB-080915-11
Prep Type: Total/NA
Prep Batch: 395513
%Rec. RPD

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	0.080	U	1.00	0.985		ug/L		99	70 - 130	3	20

Lab Sample ID: 680-115432-1 DU
Matrix: Water
Analysis Batch: 395684

Client Sample ID: SJBB-080915-11
Prep Type: Total/NA
Prep Batch: 395513
RPD

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Mercury	0.080	U	0.080	U	ug/L		NC	20

Lab Sample ID: MB 680-395561/1-A
Matrix: Water
Analysis Batch: 395684

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 395561

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L		08/11/15 15:17	08/11/15 18:51	1
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L		08/11/15 15:17	08/11/15 18:51	1

Lab Sample ID: LCS 680-395561/3-A
Matrix: Water
Analysis Batch: 395684

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 395561
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	2.50	2.60		ug/L		104	85 - 115
Mercury, Dissolved	2.50	2.60		ug/L		104	85 - 115

Lab Sample ID: 680-115432-1 MS
Matrix: Water
Analysis Batch: 395684

Client Sample ID: SJBB-080915-11
Prep Type: Dissolved
Prep Batch: 395513
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury, Dissolved	0.080	U	1.00	0.994		ug/L		99	70 - 130

Lab Sample ID: 680-115432-1 MSD
Matrix: Water
Analysis Batch: 395684

Client Sample ID: SJBB-080915-11
Prep Type: Dissolved
Prep Batch: 395513
%Rec. RPD

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury, Dissolved	0.080	U	1.00	0.837		ug/L		84	70 - 130	17	20

Lab Sample ID: 680-115432-1 DU
Matrix: Water
Analysis Batch: 395684

Client Sample ID: SJBB-080915-11
Prep Type: Dissolved
Prep Batch: 395513
RPD

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Mercury, Dissolved	0.080	U	0.080	U	ug/L		NC	20

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-1

Lab Sample ID: 680-115432-9 MS
Matrix: Water
Analysis Batch: 395684

Client Sample ID: SJLP-080915-11
Prep Type: Dissolved
Prep Batch: 395561
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	0.080	U	1.00	1.03		ug/L		103	70 - 130
Mercury, Dissolved	0.080	U	1.00	1.03		ug/L		103	70 - 130

Lab Sample ID: 680-115432-9 MSD
Matrix: Water
Analysis Batch: 395684

Client Sample ID: SJLP-080915-11
Prep Type: Dissolved
Prep Batch: 395561
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	0.080	U	1.00	1.02		ug/L		102	70 - 130	0	20
Mercury, Dissolved	0.080	U	1.00	1.02		ug/L		102	70 - 130	0	20

Lab Sample ID: 680-115432-9 DU
Matrix: Water
Analysis Batch: 395684

Client Sample ID: SJLP-080915-11
Prep Type: Dissolved
Prep Batch: 395561
%Rec.

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Mercury	0.080	U	0.080	U	ug/L		NC	20
Mercury, Dissolved	0.080	U	0.080	U	ug/L		NC	20

Method: 2320B-2011 - Alkalinity, Total

Lab Sample ID: MB 680-395593/3
Matrix: Water
Analysis Batch: 395593

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	5.0	U	5.0	5.0 mg/L			08/11/15 18:08	1

Lab Sample ID: LCS 680-395593/4
Matrix: Water
Analysis Batch: 395593

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity	250	245		mg/L		98	80 - 120

Lab Sample ID: LCSD 680-395593/20
Matrix: Water
Analysis Batch: 395593

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Alkalinity	250	246		mg/L		99	80 - 120	0	30

Lab Sample ID: 680-115432-6 DU
Matrix: Water
Analysis Batch: 395593

Client Sample ID: SJ4C-080915-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Alkalinity	88		71.9		mg/L		20	30

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-1

Method: 2320B-2011 - Alkalinity, Total (Continued)

Lab Sample ID: 680-115432-9 DU
Matrix: Water
Analysis Batch: 395593

Client Sample ID: SJLP-080915-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Alkalinity	92		102		mg/L		10	30

Lab Sample ID: MB 680-395602/6
Matrix: Water
Analysis Batch: 395602

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	5.0	U	5.0	5.0 mg/L			08/12/15 06:06	1

Lab Sample ID: LCS 680-395602/7
Matrix: Water
Analysis Batch: 395602

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity	250	244		mg/L		98	80 - 120

Lab Sample ID: LCSD 680-395602/20
Matrix: Water
Analysis Batch: 395602

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Alkalinity	250	255		mg/L		102	80 - 120	4	30

Lab Sample ID: 680-115432-12 DU
Matrix: Water
Analysis Batch: 395602

Client Sample ID: SJME-080915-12
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Alkalinity	91		93.2		mg/L		3	30

Method: 2540 D-2011 - Total Suspended Solids Dried at 103-105°C

Lab Sample ID: MB 680-395475/1
Matrix: Water
Analysis Batch: 395475

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	1.0	U	1.0	1.0 mg/L			08/11/15 11:35	1

Lab Sample ID: LCS 680-395475/2
Matrix: Water
Analysis Batch: 395475

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	20.0	21.0		mg/L		105	80 - 120

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-1

Method: 2540 D-2011 - Total Suspended Solids Dried at 103-105°C (Continued)

Lab Sample ID: LCSD 680-395475/3
Matrix: Water
Analysis Batch: 395475

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Suspended Solids	20.0	19.0		mg/L		95	80 - 120	10	25

Lab Sample ID: MB 680-395501/1
Matrix: Water
Analysis Batch: 395501

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	1.0	U	1.0	1.0 mg/L			08/11/15 13:06	1

Lab Sample ID: LCS 680-395501/2
Matrix: Water
Analysis Batch: 395501

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	20.0	21.0		mg/L		105	80 - 120

Lab Sample ID: LCSD 680-395501/3
Matrix: Water
Analysis Batch: 395501

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Suspended Solids	20.0	21.0		mg/L		105	80 - 120	0	25

Lab Sample ID: 680-115432-10 DU
Matrix: Water
Analysis Batch: 395501

Client Sample ID: MECT-080915-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	620		620		mg/L		0	5

Method: 2540C-2011 - Total Dissolved Solids (Dried at 180 °C)

Lab Sample ID: MB 680-395529/1
Matrix: Water
Analysis Batch: 395529

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0 mg/L			08/11/15 14:33	1

Lab Sample ID: LCS 680-395529/2
Matrix: Water
Analysis Batch: 395529

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	59.0	70.0		mg/L		119	80 - 120

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QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-1

Method: 2540C-2011 - Total Dissolved Solids (Dried at 180 °C) (Continued)

Lab Sample ID: LCSD 680-395529/3
Matrix: Water
Analysis Batch: 395529

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Dissolved Solids	59.0	56.0		mg/L		95	80 - 120	22	25

Lab Sample ID: 680-115432-1 DU
Matrix: Water
Analysis Batch: 395529

Client Sample ID: SJBB-080915-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	310		304		mg/L		3	5

Lab Sample ID: 680-115432-11 DU
Matrix: Water
Analysis Batch: 395529

Client Sample ID: SJME-080915-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	340		328		mg/L		5	5

Method: 4500 H+ B-2011 - pH

Lab Sample ID: LCS 680-395592/2
Matrix: Water
Analysis Batch: 395592

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
pH	7.00	7.030		SU		100	63 - 158		

Lab Sample ID: 680-115432-6 DU
Matrix: Water
Analysis Batch: 395592

Client Sample ID: SJ4C-080915-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	8.08	HF	8.090		SU		0.1	40

Lab Sample ID: 680-115432-9 DU
Matrix: Water
Analysis Batch: 395592

Client Sample ID: SJLP-080915-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	8.10	HF	8.100		SU		0	40

Lab Sample ID: LCS 680-395603/5
Matrix: Water
Analysis Batch: 395603

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
pH	7.00	7.030		SU		100	63 - 158		

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QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-1

Method: 4500 H+ B-2011 - pH (Continued)

Lab Sample ID: 680-115432-12 DU				Client Sample ID: SJME-080915-12			
Matrix: Water				Prep Type: Total/NA			
Analysis Batch: 395603							
Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD Limit
pH	8.08	HF	8.080		SU		0 40

QC Association Summary

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-1

Metals

Prep Batch: 395502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115432-1	SJBB-080915-11	Dissolved	Water	200	
680-115432-1	SJBB-080915-11	Total/NA	Water	200	
680-115432-1 DU	SJBB-080915-11	Dissolved	Water	200	
680-115432-1 DU	SJBB-080915-11	Total/NA	Water	200	
680-115432-1 MS	SJBB-080915-11	Dissolved	Water	200	
680-115432-1 MS	SJBB-080915-11	Total/NA	Water	200	
680-115432-1 MSD	SJBB-080915-11	Dissolved	Water	200	
680-115432-1 MSD	SJBB-080915-11	Total/NA	Water	200	
680-115432-2	SJMH-080915-11	Dissolved	Water	200	
680-115432-2	SJMH-080915-11	Total/NA	Water	200	
680-115432-3	SJMC-080915-11	Dissolved	Water	200	
680-115432-3	SJMC-080915-11	Total/NA	Water	200	
680-115432-4	SJDS-080915-11	Dissolved	Water	200	
680-115432-4	SJDS-080915-11	Total/NA	Water	200	
680-115432-5	SJSR-080915-11	Dissolved	Water	200	
680-115432-5	SJSR-080915-11	Total/NA	Water	200	
680-115432-6	SJ4C-080915-11	Dissolved	Water	200	
680-115432-6	SJ4C-080915-11	Total/NA	Water	200	
680-115432-7	SJFP-080915-11	Dissolved	Water	200	
680-115432-7	SJFP-080915-11	Total/NA	Water	200	
680-115432-8	SJHB-080915-11	Dissolved	Water	200	
680-115432-8	SJHB-080915-11	Total/NA	Water	200	
680-115432-9	SJLP-080915-11	Dissolved	Water	200	
680-115432-10	MECT-080915-11	Dissolved	Water	200	
680-115432-11	SJME-080915-11	Dissolved	Water	200	
680-115432-12	SJME-080915-12	Dissolved	Water	200	
LCS 680-395502/2-A	Lab Control Sample	Total/NA	Water	200	
MB 680-395502/1-A	Method Blank	Total/NA	Water	200	

Prep Batch: 395508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115432-9	SJLP-080915-11	Total/NA	Water	200	
680-115432-9 DU	SJLP-080915-11	Total/NA	Water	200	
680-115432-9 MS	SJLP-080915-11	Total/NA	Water	200	
680-115432-9 MSD	SJLP-080915-11	Total/NA	Water	200	
680-115432-10	MECT-080915-11	Total/NA	Water	200	
680-115432-11	SJME-080915-11	Total/NA	Water	200	
680-115432-12	SJME-080915-12	Total/NA	Water	200	
LCS 680-395508/2-A	Lab Control Sample	Total/NA	Water	200	
MB 680-395508/1-A	Method Blank	Total/NA	Water	200	

Prep Batch: 395513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115432-1	SJBB-080915-11	Dissolved	Water	245.1	
680-115432-1	SJBB-080915-11	Total/NA	Water	245.1	
680-115432-1 DU	SJBB-080915-11	Dissolved	Water	245.1	
680-115432-1 DU	SJBB-080915-11	Total/NA	Water	245.1	
680-115432-1 MS	SJBB-080915-11	Dissolved	Water	245.1	
680-115432-1 MS	SJBB-080915-11	Total/NA	Water	245.1	
680-115432-1 MSD	SJBB-080915-11	Dissolved	Water	245.1	
680-115432-1 MSD	SJBB-080915-11	Total/NA	Water	245.1	

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QC Association Summary

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-1

Metals (Continued)

Prep Batch: 395513 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115432-2	SJMH-080915-11	Dissolved	Water	245.1	
680-115432-2	SJMH-080915-11	Total/NA	Water	245.1	
680-115432-3	SJMC-080915-11	Dissolved	Water	245.1	
680-115432-3	SJMC-080915-11	Total/NA	Water	245.1	
680-115432-4	SJDS-080915-11	Dissolved	Water	245.1	
680-115432-4	SJDS-080915-11	Total/NA	Water	245.1	
680-115432-5	SJSR-080915-11	Dissolved	Water	245.1	
680-115432-5	SJSR-080915-11	Total/NA	Water	245.1	
680-115432-6	SJ4C-080915-11	Dissolved	Water	245.1	
680-115432-6	SJ4C-080915-11	Total/NA	Water	245.1	
680-115432-7	SJFP-080915-11	Dissolved	Water	245.1	
680-115432-7	SJFP-080915-11	Total/NA	Water	245.1	
680-115432-8	SJHB-080915-11	Dissolved	Water	245.1	
680-115432-8	SJHB-080915-11	Total/NA	Water	245.1	
LCS 680-395513/3-A	Lab Control Sample	Total/NA	Water	245.1	
MB 680-395513/1-A	Method Blank	Total/NA	Water	245.1	

Prep Batch: 395561

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115432-9	SJLP-080915-11	Dissolved	Water	245.1	
680-115432-9	SJLP-080915-11	Total/NA	Water	245.1	
680-115432-9 DU	SJLP-080915-11	Dissolved	Water	245.1	
680-115432-9 MS	SJLP-080915-11	Dissolved	Water	245.1	
680-115432-9 MSD	SJLP-080915-11	Dissolved	Water	245.1	
680-115432-10	MECT-080915-11	Dissolved	Water	245.1	
680-115432-10	MECT-080915-11	Total/NA	Water	245.1	
680-115432-11	SJME-080915-11	Dissolved	Water	245.1	
680-115432-11	SJME-080915-11	Total/NA	Water	245.1	
680-115432-12	SJME-080915-12	Dissolved	Water	245.1	
680-115432-12	SJME-080915-12	Total/NA	Water	245.1	
LCS 680-395561/3-A	Lab Control Sample	Total/NA	Water	245.1	
MB 680-395561/1-A	Method Blank	Total/NA	Water	245.1	

Analysis Batch: 395618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115432-1	SJBB-080915-11	Dissolved	Water	200.7 Rev 4.4	395502
680-115432-1	SJBB-080915-11	Total/NA	Water	200.7 Rev 4.4	395502
680-115432-1 DU	SJBB-080915-11	Dissolved	Water	200.7 Rev 4.4	395502
680-115432-1 DU	SJBB-080915-11	Total/NA	Water	200.7 Rev 4.4	395502
680-115432-1 MS	SJBB-080915-11	Dissolved	Water	200.7 Rev 4.4	395502
680-115432-1 MS	SJBB-080915-11	Total/NA	Water	200.7 Rev 4.4	395502
680-115432-1 MSD	SJBB-080915-11	Dissolved	Water	200.7 Rev 4.4	395502
680-115432-1 MSD	SJBB-080915-11	Total/NA	Water	200.7 Rev 4.4	395502
680-115432-2	SJMH-080915-11	Dissolved	Water	200.7 Rev 4.4	395502
680-115432-2	SJMH-080915-11	Total/NA	Water	200.7 Rev 4.4	395502
680-115432-3	SJMC-080915-11	Dissolved	Water	200.7 Rev 4.4	395502
680-115432-3	SJMC-080915-11	Total/NA	Water	200.7 Rev 4.4	395502
680-115432-4	SJDS-080915-11	Dissolved	Water	200.7 Rev 4.4	395502
680-115432-4	SJDS-080915-11	Total/NA	Water	200.7 Rev 4.4	395502
680-115432-5	SJSR-080915-11	Dissolved	Water	200.7 Rev 4.4	395502
680-115432-5	SJSR-080915-11	Total/NA	Water	200.7 Rev 4.4	395502

TestAmerica Savannah

QC Association Summary

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-1

Metals (Continued)

Analysis Batch: 395618 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115432-6	SJ4C-080915-11	Dissolved	Water	200.7 Rev 4.4	395502
680-115432-6	SJ4C-080915-11	Total/NA	Water	200.7 Rev 4.4	395502
680-115432-7	SJFP-080915-11	Dissolved	Water	200.7 Rev 4.4	395502
680-115432-7	SJFP-080915-11	Total/NA	Water	200.7 Rev 4.4	395502
680-115432-8	SJHB-080915-11	Dissolved	Water	200.7 Rev 4.4	395502
680-115432-8	SJHB-080915-11	Total/NA	Water	200.7 Rev 4.4	395502
680-115432-9	SJLP-080915-11	Dissolved	Water	200.7 Rev 4.4	395502
680-115432-9	SJLP-080915-11	Total/NA	Water	200.7 Rev 4.4	395508
680-115432-9 DU	SJLP-080915-11	Total/NA	Water	200.7 Rev 4.4	395508
680-115432-9 MS	SJLP-080915-11	Total/NA	Water	200.7 Rev 4.4	395508
680-115432-9 MSD	SJLP-080915-11	Total/NA	Water	200.7 Rev 4.4	395508
680-115432-10	MECT-080915-11	Dissolved	Water	200.7 Rev 4.4	395502
680-115432-10	MECT-080915-11	Total/NA	Water	200.7 Rev 4.4	395508
680-115432-11	SJME-080915-11	Dissolved	Water	200.7 Rev 4.4	395502
680-115432-11	SJME-080915-11	Total/NA	Water	200.7 Rev 4.4	395508
680-115432-12	SJME-080915-12	Dissolved	Water	200.7 Rev 4.4	395502
680-115432-12	SJME-080915-12	Total/NA	Water	200.7 Rev 4.4	395508
LCS 680-395502/2-A	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	395502
LCS 680-395508/2-A	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	395508
MB 680-395502/1-A	Method Blank	Total/NA	Water	200.7 Rev 4.4	395502
MB 680-395508/1-A	Method Blank	Total/NA	Water	200.7 Rev 4.4	395508

Analysis Batch: 395649

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115432-2	SJMH-080915-11	Total/NA	Water	200.7 Rev 4.4	395502

Analysis Batch: 395679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115432-1	SJBB-080915-11	Total/NA	Water	2340B-2011	
680-115432-2	SJMH-080915-11	Total/NA	Water	2340B-2011	
680-115432-3	SJMC-080915-11	Total/NA	Water	2340B-2011	
680-115432-4	SJDS-080915-11	Total/NA	Water	2340B-2011	
680-115432-5	SJSR-080915-11	Total/NA	Water	2340B-2011	
680-115432-6	SJ4C-080915-11	Total/NA	Water	2340B-2011	
680-115432-7	SJFP-080915-11	Total/NA	Water	2340B-2011	
680-115432-8	SJHB-080915-11	Total/NA	Water	2340B-2011	
MB 680-395679/12	Method Blank	Total/NA	Water	2340B-2011	

Analysis Batch: 395680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115432-9	SJLP-080915-11	Total/NA	Water	2340B-2011	
680-115432-10	MECT-080915-11	Total/NA	Water	2340B-2011	
680-115432-11	SJME-080915-11	Total/NA	Water	2340B-2011	
680-115432-12	SJME-080915-12	Total/NA	Water	2340B-2011	
MB 680-395680/1	Method Blank	Total/NA	Water	2340B-2011	

Analysis Batch: 395684

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115432-1	SJBB-080915-11	Dissolved	Water	245.1	395513
680-115432-1	SJBB-080915-11	Total/NA	Water	245.1	395513
680-115432-1 DU	SJBB-080915-11	Dissolved	Water	245.1	395513

TestAmerica Savannah

QC Association Summary

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-1

Metals (Continued)

Analysis Batch: 395684 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115432-1 DU	SJBB-080915-11	Total/NA	Water	245.1	395513
680-115432-1 MS	SJBB-080915-11	Dissolved	Water	245.1	395513
680-115432-1 MS	SJBB-080915-11	Total/NA	Water	245.1	395513
680-115432-1 MSD	SJBB-080915-11	Dissolved	Water	245.1	395513
680-115432-1 MSD	SJBB-080915-11	Total/NA	Water	245.1	395513
680-115432-2	SJMH-080915-11	Dissolved	Water	245.1	395513
680-115432-2	SJMH-080915-11	Total/NA	Water	245.1	395513
680-115432-3	SJMC-080915-11	Dissolved	Water	245.1	395513
680-115432-3	SJMC-080915-11	Total/NA	Water	245.1	395513
680-115432-4	SJDS-080915-11	Dissolved	Water	245.1	395513
680-115432-4	SJDS-080915-11	Total/NA	Water	245.1	395513
680-115432-5	SJSR-080915-11	Dissolved	Water	245.1	395513
680-115432-5	SJSR-080915-11	Total/NA	Water	245.1	395513
680-115432-6	SJ4C-080915-11	Dissolved	Water	245.1	395513
680-115432-6	SJ4C-080915-11	Total/NA	Water	245.1	395513
680-115432-7	SJFP-080915-11	Dissolved	Water	245.1	395513
680-115432-7	SJFP-080915-11	Total/NA	Water	245.1	395513
680-115432-8	SJHB-080915-11	Dissolved	Water	245.1	395513
680-115432-8	SJHB-080915-11	Total/NA	Water	245.1	395513
680-115432-9	SJLP-080915-11	Dissolved	Water	245.1	395561
680-115432-9	SJLP-080915-11	Total/NA	Water	245.1	395561
680-115432-9 DU	SJLP-080915-11	Dissolved	Water	245.1	395561
680-115432-9 MS	SJLP-080915-11	Dissolved	Water	245.1	395561
680-115432-9 MSD	SJLP-080915-11	Dissolved	Water	245.1	395561
680-115432-10	MECT-080915-11	Dissolved	Water	245.1	395561
680-115432-10	MECT-080915-11	Total/NA	Water	245.1	395561
680-115432-11	SJME-080915-11	Dissolved	Water	245.1	395561
680-115432-11	SJME-080915-11	Total/NA	Water	245.1	395561
680-115432-12	SJME-080915-12	Dissolved	Water	245.1	395561
680-115432-12	SJME-080915-12	Total/NA	Water	245.1	395561
LCS 680-395513/3-A	Lab Control Sample	Total/NA	Water	245.1	395513
LCS 680-395561/3-A	Lab Control Sample	Total/NA	Water	245.1	395561
MB 680-395513/1-A	Method Blank	Total/NA	Water	245.1	395513
MB 680-395561/1-A	Method Blank	Total/NA	Water	245.1	395561

General Chemistry

Analysis Batch: 395475

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115432-1	SJBB-080915-11	Total/NA	Water	2540 D-2011	
680-115432-2	SJMH-080915-11	Total/NA	Water	2540 D-2011	
680-115432-3	SJMC-080915-11	Total/NA	Water	2540 D-2011	
680-115432-4	SJDS-080915-11	Total/NA	Water	2540 D-2011	
680-115432-5	SJSR-080915-11	Total/NA	Water	2540 D-2011	
LCS 680-395475/2	Lab Control Sample	Total/NA	Water	2540 D-2011	
LCSD 680-395475/3	Lab Control Sample Dup	Total/NA	Water	2540 D-2011	
MB 680-395475/1	Method Blank	Total/NA	Water	2540 D-2011	

TestAmerica Savannah

QC Association Summary

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-1

General Chemistry (Continued)

Analysis Batch: 395501

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115432-6	SJ4C-080915-11	Total/NA	Water	2540 D-2011	
680-115432-7	SJFP-080915-11	Total/NA	Water	2540 D-2011	
680-115432-8	SJHB-080915-11	Total/NA	Water	2540 D-2011	
680-115432-9	SJLP-080915-11	Total/NA	Water	2540 D-2011	
680-115432-10	MECT-080915-11	Total/NA	Water	2540 D-2011	
680-115432-10 DU	MECT-080915-11	Total/NA	Water	2540 D-2011	
680-115432-11	SJME-080915-11	Total/NA	Water	2540 D-2011	
680-115432-12	SJME-080915-12	Total/NA	Water	2540 D-2011	
LCS 680-395501/2	Lab Control Sample	Total/NA	Water	2540 D-2011	
LCSD 680-395501/3	Lab Control Sample Dup	Total/NA	Water	2540 D-2011	
MB 680-395501/1	Method Blank	Total/NA	Water	2540 D-2011	

Analysis Batch: 395529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115432-1	SJBB-080915-11	Total/NA	Water	2540C-2011	
680-115432-1 DU	SJBB-080915-11	Total/NA	Water	2540C-2011	
680-115432-2	SJMH-080915-11	Total/NA	Water	2540C-2011	
680-115432-3	SJMC-080915-11	Total/NA	Water	2540C-2011	
680-115432-4	SJDS-080915-11	Total/NA	Water	2540C-2011	
680-115432-5	SJSR-080915-11	Total/NA	Water	2540C-2011	
680-115432-6	SJ4C-080915-11	Total/NA	Water	2540C-2011	
680-115432-7	SJFP-080915-11	Total/NA	Water	2540C-2011	
680-115432-8	SJHB-080915-11	Total/NA	Water	2540C-2011	
680-115432-9	SJLP-080915-11	Total/NA	Water	2540C-2011	
680-115432-10	MECT-080915-11	Total/NA	Water	2540C-2011	
680-115432-11	SJME-080915-11	Total/NA	Water	2540C-2011	
680-115432-11 DU	SJME-080915-11	Total/NA	Water	2540C-2011	
680-115432-12	SJME-080915-12	Total/NA	Water	2540C-2011	
LCS 680-395529/2	Lab Control Sample	Total/NA	Water	2540C-2011	
LCSD 680-395529/3	Lab Control Sample Dup	Total/NA	Water	2540C-2011	
MB 680-395529/1	Method Blank	Total/NA	Water	2540C-2011	

Analysis Batch: 395592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115432-1	SJBB-080915-11	Total/NA	Water	4500 H+ B-2011	
680-115432-2	SJMH-080915-11	Total/NA	Water	4500 H+ B-2011	
680-115432-3	SJMC-080915-11	Total/NA	Water	4500 H+ B-2011	
680-115432-4	SJDS-080915-11	Total/NA	Water	4500 H+ B-2011	
680-115432-5	SJSR-080915-11	Total/NA	Water	4500 H+ B-2011	
680-115432-6	SJ4C-080915-11	Total/NA	Water	4500 H+ B-2011	
680-115432-6 DU	SJ4C-080915-11	Total/NA	Water	4500 H+ B-2011	
680-115432-7	SJFP-080915-11	Total/NA	Water	4500 H+ B-2011	
680-115432-8	SJHB-080915-11	Total/NA	Water	4500 H+ B-2011	
680-115432-9	SJLP-080915-11	Total/NA	Water	4500 H+ B-2011	
680-115432-9 DU	SJLP-080915-11	Total/NA	Water	4500 H+ B-2011	
LCS 680-395592/2	Lab Control Sample	Total/NA	Water	4500 H+ B-2011	

Analysis Batch: 395593

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115432-1	SJBB-080915-11	Total/NA	Water	2320B-2011	
680-115432-2	SJMH-080915-11	Total/NA	Water	2320B-2011	

TestAmerica Savannah

QC Association Summary

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-1

General Chemistry (Continued)

Analysis Batch: 395593 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115432-3	SJMC-080915-11	Total/NA	Water	2320B-2011	
680-115432-4	SJDS-080915-11	Total/NA	Water	2320B-2011	
680-115432-5	SJSR-080915-11	Total/NA	Water	2320B-2011	
680-115432-6	SJ4C-080915-11	Total/NA	Water	2320B-2011	
680-115432-6 DU	SJ4C-080915-11	Total/NA	Water	2320B-2011	
680-115432-7	SJFP-080915-11	Total/NA	Water	2320B-2011	
680-115432-8	SJHB-080915-11	Total/NA	Water	2320B-2011	
680-115432-9	SJLP-080915-11	Total/NA	Water	2320B-2011	
680-115432-9 DU	SJLP-080915-11	Total/NA	Water	2320B-2011	
LCS 680-395593/4	Lab Control Sample	Total/NA	Water	2320B-2011	
LCSD 680-395593/20	Lab Control Sample Dup	Total/NA	Water	2320B-2011	
MB 680-395593/3	Method Blank	Total/NA	Water	2320B-2011	

Analysis Batch: 395602

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115432-10	MECT-080915-11	Total/NA	Water	2320B-2011	
680-115432-11	SJME-080915-11	Total/NA	Water	2320B-2011	
680-115432-12	SJME-080915-12	Total/NA	Water	2320B-2011	
680-115432-12 DU	SJME-080915-12	Total/NA	Water	2320B-2011	
LCS 680-395602/7	Lab Control Sample	Total/NA	Water	2320B-2011	
LCSD 680-395602/20	Lab Control Sample Dup	Total/NA	Water	2320B-2011	
MB 680-395602/6	Method Blank	Total/NA	Water	2320B-2011	

Analysis Batch: 395603

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115432-10	MECT-080915-11	Total/NA	Water	4500 H+ B-2011	
680-115432-11	SJME-080915-11	Total/NA	Water	4500 H+ B-2011	
680-115432-12	SJME-080915-12	Total/NA	Water	4500 H+ B-2011	
680-115432-12 DU	SJME-080915-12	Total/NA	Water	4500 H+ B-2011	
LCS 680-395603/5	Lab Control Sample	Total/NA	Water	4500 H+ B-2011	

TestAmerica Savannah

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-1

Client Sample ID: SJBB-080915-11

Lab Sample ID: 680-115432-1

Date Collected: 08/09/15 18:25

Matrix: Water

Date Received: 08/11/15 09:39

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200			50 mL	50 mL	395502	08/11/15 12:52	BJB	TAL SAV
Dissolved	Analysis	200.7 Rev 4.4 Instrument ID: ICPF		1	50 mL	50 mL	395618	08/11/15 20:26	BCB	TAL SAV
Total/NA	Prep	200			50 mL	50 mL	395502	08/11/15 12:52	BJB	TAL SAV
Total/NA	Analysis	200.7 Rev 4.4 Instrument ID: ICPF		1	50 mL	50 mL	395618	08/11/15 21:45	BCB	TAL SAV
Total/NA	Analysis	2340B-2011 Instrument ID: ICPF		1			395679	08/11/15 21:45	BCB	TAL SAV
Dissolved	Prep	245.1			50 mL	50 mL	395513	08/11/15 13:44	BCB	TAL SAV
Dissolved	Analysis	245.1 Instrument ID: LEEMAN2		1	50 mL	50 mL	395684	08/11/15 19:56	BCB	TAL SAV
Total/NA	Prep	245.1			50 mL	50 mL	395513	08/11/15 13:44	BCB	TAL SAV
Total/NA	Analysis	245.1 Instrument ID: LEEMAN2		1	50 mL	50 mL	395684	08/11/15 20:36	BCB	TAL SAV
Total/NA	Analysis	2320B-2011 Instrument ID: MANTECH		1			395593	08/11/15 18:38	DAM	TAL SAV
Total/NA	Analysis	2540 D-2011 Instrument ID: NOEQUIP		1	30 mL	1000 mL	395475	08/11/15 11:35	DAM	TAL SAV
Total/NA	Analysis	2540C-2011 Instrument ID: NOEQUIP		1	50 mL	100 mL	395529	08/11/15 14:33	JER	TAL SAV
Total/NA	Analysis	4500 H+ B-2011 Instrument ID: MANTECH		1			395592	08/11/15 18:38	DAM	TAL SAV

Client Sample ID: SJMH-080915-11

Lab Sample ID: 680-115432-2

Date Collected: 08/09/15 19:05

Matrix: Water

Date Received: 08/11/15 09:39

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200			50 mL	50 mL	395502	08/11/15 12:52	BJB	TAL SAV
Dissolved	Analysis	200.7 Rev 4.4 Instrument ID: ICPF		1	50 mL	50 mL	395618	08/11/15 20:45	BCB	TAL SAV
Total/NA	Prep	200			50 mL	50 mL	395502	08/11/15 12:52	BJB	TAL SAV
Total/NA	Analysis	200.7 Rev 4.4 Instrument ID: ICPF		1	50 mL	50 mL	395618	08/11/15 22:22	BCB	TAL SAV
Total/NA	Prep	200			50 mL	50 mL	395502	08/11/15 12:52	BJB	TAL SAV
Total/NA	Analysis	200.7 Rev 4.4 Instrument ID: ICPF		10	50 mL	50 mL	395649	08/12/15 10:02	BCB	TAL SAV
Total/NA	Analysis	2340B-2011 Instrument ID: ICPF		1			395679	08/11/15 22:22	BCB	TAL SAV
Dissolved	Prep	245.1			50 mL	50 mL	395513	08/11/15 13:44	BCB	TAL SAV
Dissolved	Analysis	245.1 Instrument ID: LEEMAN2		1	50 mL	50 mL	395684	08/11/15 20:14	BCB	TAL SAV
Total/NA	Prep	245.1			50 mL	50 mL	395513	08/11/15 13:44	BCB	TAL SAV

TestAmerica Savannah

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-1

Client Sample ID: SJMH-080915-11

Lab Sample ID: 680-115432-2

Date Collected: 08/09/15 19:05

Matrix: Water

Date Received: 08/11/15 09:39

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	245.1 Instrument ID: LEEMAN2		1	50 mL	50 mL	395684	08/11/15 20:55	BCB	TAL SAV
Total/NA	Analysis	2320B-2011 Instrument ID: MANTECH		1			395593	08/11/15 18:44	DAM	TAL SAV
Total/NA	Analysis	2540 D-2011 Instrument ID: NOEQUIP		1	20 mL	1000 mL	395475	08/11/15 11:35	DAM	TAL SAV
Total/NA	Analysis	2540C-2011 Instrument ID: NOEQUIP		1	50 mL	100 mL	395529	08/11/15 14:33	JER	TAL SAV
Total/NA	Analysis	4500 H+ B-2011 Instrument ID: MANTECH		1			395592	08/11/15 18:44	DAM	TAL SAV

Client Sample ID: SJMC-080915-11

Lab Sample ID: 680-115432-3

Date Collected: 08/09/15 17:50

Matrix: Water

Date Received: 08/11/15 09:39

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200			50 mL	50 mL	395502	08/11/15 12:52	BJB	TAL SAV
Dissolved	Analysis	200.7 Rev 4.4 Instrument ID: ICPF		1	50 mL	50 mL	395618	08/11/15 20:50	BCB	TAL SAV
Total/NA	Prep	200			50 mL	50 mL	395502	08/11/15 12:52	BJB	TAL SAV
Total/NA	Analysis	200.7 Rev 4.4 Instrument ID: ICPF		1	50 mL	50 mL	395618	08/11/15 22:27	BCB	TAL SAV
Total/NA	Analysis	2340B-2011 Instrument ID: ICPF		1			395679	08/11/15 22:27	BCB	TAL SAV
Dissolved	Prep	245.1			50 mL	50 mL	395513	08/11/15 13:44	BCB	TAL SAV
Dissolved	Analysis	245.1 Instrument ID: LEEMAN2		1	50 mL	50 mL	395684	08/11/15 20:17	BCB	TAL SAV
Total/NA	Prep	245.1			50 mL	50 mL	395513	08/11/15 13:44	BCB	TAL SAV
Total/NA	Analysis	245.1 Instrument ID: LEEMAN2		1	50 mL	50 mL	395684	08/11/15 20:58	BCB	TAL SAV
Total/NA	Analysis	2320B-2011 Instrument ID: MANTECH		1			395593	08/11/15 18:51	DAM	TAL SAV
Total/NA	Analysis	2540 D-2011 Instrument ID: NOEQUIP		1	20 mL	1000 mL	395475	08/11/15 11:35	DAM	TAL SAV
Total/NA	Analysis	2540C-2011 Instrument ID: NOEQUIP		1	50 mL	100 mL	395529	08/11/15 14:33	JER	TAL SAV
Total/NA	Analysis	4500 H+ B-2011 Instrument ID: MANTECH		1			395592	08/11/15 18:51	DAM	TAL SAV

TestAmerica Savannah

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-1

Client Sample ID: SJDS-080915-11

Lab Sample ID: 680-115432-4

Date Collected: 08/09/15 13:15

Matrix: Water

Date Received: 08/11/15 09:39

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200			50 mL	50 mL	395502	08/11/15 12:52	BJB	TAL SAV
Dissolved	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	395618	08/11/15 20:54	BCB	TAL SAV
		Instrument ID: ICPF								
Total/NA	Prep	200			50 mL	50 mL	395502	08/11/15 12:52	BJB	TAL SAV
Total/NA	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	395618	08/11/15 22:32	BCB	TAL SAV
		Instrument ID: ICPF								
Total/NA	Analysis	2340B-2011		1			395679	08/11/15 22:32	BCB	TAL SAV
		Instrument ID: ICPF								
Dissolved	Prep	245.1			50 mL	50 mL	395513	08/11/15 13:44	BCB	TAL SAV
Dissolved	Analysis	245.1		1	50 mL	50 mL	395684	08/11/15 20:20	BCB	TAL SAV
		Instrument ID: LEEMAN2								
Total/NA	Prep	245.1			50 mL	50 mL	395513	08/11/15 13:44	BCB	TAL SAV
Total/NA	Analysis	245.1		1	50 mL	50 mL	395684	08/11/15 21:01	BCB	TAL SAV
		Instrument ID: LEEMAN2								
Total/NA	Analysis	2320B-2011		1			395593	08/11/15 18:58	DAM	TAL SAV
		Instrument ID: MANTECH								
Total/NA	Analysis	2540 D-2011		1	20 mL	1000 mL	395475	08/11/15 11:35	DAM	TAL SAV
		Instrument ID: NOEQUIP								
Total/NA	Analysis	2540C-2011		1	50 mL	100 mL	395529	08/11/15 14:33	JER	TAL SAV
		Instrument ID: NOEQUIP								
Total/NA	Analysis	4500 H+ B-2011		1			395592	08/11/15 18:58	DAM	TAL SAV
		Instrument ID: MANTECH								

Client Sample ID: SJSR-080915-11

Lab Sample ID: 680-115432-5

Date Collected: 08/09/15 12:35

Matrix: Water

Date Received: 08/11/15 09:39

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200			50 mL	50 mL	395502	08/11/15 12:52	BJB	TAL SAV
Dissolved	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	395618	08/11/15 21:08	BCB	TAL SAV
		Instrument ID: ICPF								
Total/NA	Prep	200			50 mL	50 mL	395502	08/11/15 12:52	BJB	TAL SAV
Total/NA	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	395618	08/11/15 22:36	BCB	TAL SAV
		Instrument ID: ICPF								
Total/NA	Analysis	2340B-2011		1			395679	08/11/15 22:36	BCB	TAL SAV
		Instrument ID: ICPF								
Dissolved	Prep	245.1			50 mL	50 mL	395513	08/11/15 13:44	BCB	TAL SAV
Dissolved	Analysis	245.1		1	50 mL	50 mL	395684	08/11/15 20:24	BCB	TAL SAV
		Instrument ID: LEEMAN2								
Total/NA	Prep	245.1			50 mL	50 mL	395513	08/11/15 13:44	BCB	TAL SAV
Total/NA	Analysis	245.1		1	50 mL	50 mL	395684	08/11/15 21:04	BCB	TAL SAV
		Instrument ID: LEEMAN2								
Total/NA	Analysis	2320B-2011		1			395593	08/11/15 19:05	DAM	TAL SAV
		Instrument ID: MANTECH								

TestAmerica Savannah

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-1

Client Sample ID: SJSR-080915-11

Lab Sample ID: 680-115432-5

Date Collected: 08/09/15 12:35

Matrix: Water

Date Received: 08/11/15 09:39

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540 D-2011 Instrument ID: NOEQUIP		1	20 mL	1000 mL	395475	08/11/15 11:35	DAM	TAL SAV
Total/NA	Analysis	2540C-2011 Instrument ID: NOEQUIP		1	50 mL	100 mL	395529	08/11/15 14:33	JER	TAL SAV
Total/NA	Analysis	4500 H+ B-2011 Instrument ID: MANTECH		1			395592	08/11/15 19:05	DAM	TAL SAV

Client Sample ID: SJ4C-080915-11

Lab Sample ID: 680-115432-6

Date Collected: 08/09/15 15:31

Matrix: Water

Date Received: 08/11/15 09:39

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200			50 mL	50 mL	395502	08/11/15 12:52	BJB	TAL SAV
Dissolved	Analysis	200.7 Rev 4.4 Instrument ID: ICPF		1	50 mL	50 mL	395618	08/11/15 21:13	BCB	TAL SAV
Total/NA	Prep	200			50 mL	50 mL	395502	08/11/15 12:52	BJB	TAL SAV
Total/NA	Analysis	200.7 Rev 4.4 Instrument ID: ICPF		1	50 mL	50 mL	395618	08/11/15 22:41	BCB	TAL SAV
Total/NA	Analysis	2340B-2011 Instrument ID: ICPF		1			395679	08/11/15 22:41	BCB	TAL SAV
Dissolved	Prep	245.1			50 mL	50 mL	395513	08/11/15 13:44	BCB	TAL SAV
Dissolved	Analysis	245.1 Instrument ID: LEEMAN2		1	50 mL	50 mL	395684	08/11/15 20:27	BCB	TAL SAV
Total/NA	Prep	245.1			50 mL	50 mL	395513	08/11/15 13:44	BCB	TAL SAV
Total/NA	Analysis	245.1 Instrument ID: LEEMAN2		1	50 mL	50 mL	395684	08/11/15 21:07	BCB	TAL SAV
Total/NA	Analysis	2320B-2011 Instrument ID: MANTECH		1			395593	08/11/15 19:12	DAM	TAL SAV
Total/NA	Analysis	2540 D-2011 Instrument ID: NOEQUIP		1	20 mL	1000 mL	395501	08/11/15 13:06	DAM	TAL SAV
Total/NA	Analysis	2540C-2011 Instrument ID: NOEQUIP		1	50 mL	100 mL	395529	08/11/15 14:33	JER	TAL SAV
Total/NA	Analysis	4500 H+ B-2011 Instrument ID: MANTECH		1			395592	08/11/15 19:12	DAM	TAL SAV

Client Sample ID: SJFP-080915-11

Lab Sample ID: 680-115432-7

Date Collected: 08/09/15 10:15

Matrix: Water

Date Received: 08/11/15 09:39

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200			50 mL	50 mL	395502	08/11/15 12:52	BJB	TAL SAV
Dissolved	Analysis	200.7 Rev 4.4 Instrument ID: ICPF		1	50 mL	50 mL	395618	08/11/15 21:17	BCB	TAL SAV

TestAmerica Savannah

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-1

Client Sample ID: SJFP-080915-11

Lab Sample ID: 680-115432-7

Date Collected: 08/09/15 10:15

Matrix: Water

Date Received: 08/11/15 09:39

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			50 mL	50 mL	395502	08/11/15 13:06	BJB	TAL SAV
Total/NA	Analysis	200.7 Rev 4.4 Instrument ID: ICPF		1	50 mL	50 mL	395618	08/11/15 22:45	BCB	TAL SAV
Total/NA	Analysis	2340B-2011 Instrument ID: ICPF		1			395679	08/11/15 22:45	BCB	TAL SAV
Dissolved	Prep	245.1			50 mL	50 mL	395513	08/11/15 13:44	BCB	TAL SAV
Dissolved	Analysis	245.1 Instrument ID: LEEMAN2		1	50 mL	50 mL	395684	08/11/15 20:30	BCB	TAL SAV
Total/NA	Prep	245.1			50 mL	50 mL	395513	08/11/15 13:44	BCB	TAL SAV
Total/NA	Analysis	245.1 Instrument ID: LEEMAN2		1	50 mL	50 mL	395684	08/11/15 21:10	BCB	TAL SAV
Total/NA	Analysis	2320B-2011 Instrument ID: MANTECH		1			395593	08/11/15 19:31	DAM	TAL SAV
Total/NA	Analysis	2540 D-2011 Instrument ID: NOEQUIP		1	20 mL	1000 mL	395501	08/11/15 13:06	DAM	TAL SAV
Total/NA	Analysis	2540C-2011 Instrument ID: NOEQUIP		1	50 mL	100 mL	395529	08/11/15 14:33	JER	TAL SAV
Total/NA	Analysis	4500 H+ B-2011 Instrument ID: MANTECH		1			395592	08/11/15 19:31	DAM	TAL SAV

Client Sample ID: SJHB-080915-11

Lab Sample ID: 680-115432-8

Date Collected: 08/09/15 11:31

Matrix: Water

Date Received: 08/11/15 09:39

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200			50 mL	50 mL	395502	08/11/15 12:52	BJB	TAL SAV
Dissolved	Analysis	200.7 Rev 4.4 Instrument ID: ICPF		1	50 mL	50 mL	395618	08/11/15 21:22	BCB	TAL SAV
Total/NA	Prep	200			50 mL	50 mL	395502	08/11/15 13:06	BJB	TAL SAV
Total/NA	Analysis	200.7 Rev 4.4 Instrument ID: ICPF		1	50 mL	50 mL	395618	08/11/15 22:59	BCB	TAL SAV
Total/NA	Analysis	2340B-2011 Instrument ID: ICPF		1			395679	08/11/15 22:59	BCB	TAL SAV
Dissolved	Prep	245.1			50 mL	50 mL	395513	08/11/15 13:44	BCB	TAL SAV
Dissolved	Analysis	245.1 Instrument ID: LEEMAN2		1	50 mL	50 mL	395684	08/11/15 20:33	BCB	TAL SAV
Total/NA	Prep	245.1			50 mL	50 mL	395513	08/11/15 13:44	BCB	TAL SAV
Total/NA	Analysis	245.1 Instrument ID: LEEMAN2		1	50 mL	50 mL	395684	08/11/15 21:13	BCB	TAL SAV
Total/NA	Analysis	2320B-2011 Instrument ID: MANTECH		1			395593	08/11/15 19:38	DAM	TAL SAV
Total/NA	Analysis	2540 D-2011 Instrument ID: NOEQUIP		1	20 mL	1000 mL	395501	08/11/15 13:06	DAM	TAL SAV

TestAmerica Savannah

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-1

Client Sample ID: SJHB-080915-11

Lab Sample ID: 680-115432-8

Date Collected: 08/09/15 11:31

Matrix: Water

Date Received: 08/11/15 09:39

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540C-2011 Instrument ID: NOEQUIP		1	50 mL	100 mL	395529	08/11/15 14:33	JER	TAL SAV
Total/NA	Analysis	4500 H+ B-2011 Instrument ID: MANTECH		1			395592	08/11/15 19:38	DAM	TAL SAV

Client Sample ID: SJLP-080915-11

Lab Sample ID: 680-115432-9

Date Collected: 08/09/15 09:54

Matrix: Water

Date Received: 08/11/15 09:39

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200			50 mL	50 mL	395502	08/11/15 12:52	BJB	TAL SAV
Dissolved	Analysis	200.7 Rev 4.4 Instrument ID: ICPF		1	50 mL	50 mL	395618	08/11/15 21:27	BCB	TAL SAV
Total/NA	Prep	200			50 mL	50 mL	395508	08/11/15 13:33	BJB	TAL SAV
Total/NA	Analysis	200.7 Rev 4.4 Instrument ID: ICPF		1	50 mL	50 mL	395618	08/11/15 23:18	BCB	TAL SAV
Total/NA	Analysis	2340B-2011 Instrument ID: ICPF		1			395680	08/11/15 23:18	BCB	TAL SAV
Dissolved	Prep	245.1			50 mL	50 mL	395561	08/11/15 15:17	BCB	TAL SAV
Dissolved	Analysis	245.1 Instrument ID: LEEMAN2		1	50 mL	50 mL	395684	08/11/15 19:06	BCB	TAL SAV
Total/NA	Prep	245.1			50 mL	50 mL	395561	08/11/15 15:17	BCB	TAL SAV
Total/NA	Analysis	245.1 Instrument ID: LEEMAN2		1	50 mL	50 mL	395684	08/11/15 19:28	BCB	TAL SAV
Total/NA	Analysis	2320B-2011 Instrument ID: MANTECH		1			395593	08/11/15 19:46	DAM	TAL SAV
Total/NA	Analysis	2540 D-2011 Instrument ID: NOEQUIP		1	20 mL	1000 mL	395501	08/11/15 13:06	DAM	TAL SAV
Total/NA	Analysis	2540C-2011 Instrument ID: NOEQUIP		1	50 mL	100 mL	395529	08/11/15 14:33	JER	TAL SAV
Total/NA	Analysis	4500 H+ B-2011 Instrument ID: MANTECH		1			395592	08/11/15 19:46	DAM	TAL SAV

Client Sample ID: MECT-080915-11

Lab Sample ID: 680-115432-10

Date Collected: 08/09/15 14:05

Matrix: Water

Date Received: 08/11/15 09:39

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200			50 mL	50 mL	395502	08/11/15 12:52	BJB	TAL SAV
Dissolved	Analysis	200.7 Rev 4.4 Instrument ID: ICPF		1	50 mL	50 mL	395618	08/11/15 21:31	BCB	TAL SAV
Total/NA	Prep	200			50 mL	50 mL	395508	08/11/15 13:33	BJB	TAL SAV
Total/NA	Analysis	200.7 Rev 4.4 Instrument ID: ICPF		1	50 mL	50 mL	395618	08/11/15 23:36	BCB	TAL SAV

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Lab Chronicle

Client: Weston Solutions, Inc.

TestAmerica Job ID: 680-115432-1

Project/Site: Gold King Mine - Region 9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2340B-2011		1			395680	08/11/15 23:36	BCB	TAL SAV
		Instrument ID: ICPF								
Dissolved	Prep	245.1			50 mL	50 mL	395561	08/11/15 15:17	BCB	TAL SAV
Dissolved	Analysis	245.1		1	50 mL	50 mL	395684	08/11/15 19:19	BCB	TAL SAV
		Instrument ID: LEEMAN2								
Total/NA	Prep	245.1			50 mL	50 mL	395561	08/11/15 15:17	BCB	TAL SAV
Total/NA	Analysis	245.1		1	50 mL	50 mL	395684	08/11/15 19:37	BCB	TAL SAV
		Instrument ID: LEEMAN2								
Total/NA	Analysis	2320B-2011		1			395602	08/12/15 07:04	DAM	TAL SAV
		Instrument ID: MANTECH								
Total/NA	Analysis	2540 D-2011		1	30 mL	1000 mL	395501	08/11/15 13:06	DAM	TAL SAV
		Instrument ID: NOEQUIP								
Total/NA	Analysis	2540C-2011		1	50 mL	100 mL	395529	08/11/15 14:33	JER	TAL SAV
		Instrument ID: NOEQUIP								
Total/NA	Analysis	4500 H+ B-2011		1			395603	08/12/15 07:04	DAM	TAL SAV
		Instrument ID: MANTECH								

Client Sample ID: SJME-080915-11

Lab Sample ID: 680-115432-11

Date Collected: 08/09/15 16:35

Matrix: Water

Date Received: 08/11/15 09:39

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200			50 mL	50 mL	395502	08/11/15 12:52	BJB	TAL SAV
Dissolved	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	395618	08/11/15 21:36	BCB	TAL SAV
		Instrument ID: ICPF								
Total/NA	Prep	200			50 mL	50 mL	395508	08/11/15 13:33	BJB	TAL SAV
Total/NA	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	395618	08/12/15 00:00	BCB	TAL SAV
		Instrument ID: ICPF								
Total/NA	Analysis	2340B-2011		1			395680	08/12/15 00:00	BCB	TAL SAV
		Instrument ID: ICPF								
Dissolved	Prep	245.1			50 mL	50 mL	395561	08/11/15 15:17	BCB	TAL SAV
Dissolved	Analysis	245.1		1	50 mL	50 mL	395684	08/11/15 19:22	BCB	TAL SAV
		Instrument ID: LEEMAN2								
Total/NA	Prep	245.1			50 mL	50 mL	395561	08/11/15 15:17	BCB	TAL SAV
Total/NA	Analysis	245.1		1	50 mL	50 mL	395684	08/11/15 19:40	BCB	TAL SAV
		Instrument ID: LEEMAN2								
Total/NA	Analysis	2320B-2011		1			395602	08/12/15 07:16	DAM	TAL SAV
		Instrument ID: MANTECH								
Total/NA	Analysis	2540 D-2011		1	20 mL	1000 mL	395501	08/11/15 13:06	DAM	TAL SAV
		Instrument ID: NOEQUIP								
Total/NA	Analysis	2540C-2011		1	50 mL	100 mL	395529	08/11/15 14:33	JER	TAL SAV
		Instrument ID: NOEQUIP								
Total/NA	Analysis	4500 H+ B-2011		1			395603	08/12/15 07:16	DAM	TAL SAV
		Instrument ID: MANTECH								

TestAmerica Savannah

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-1

Client Sample ID: SJME-080915-12

Lab Sample ID: 680-115432-12

Date Collected: 08/09/15 16:35

Matrix: Water

Date Received: 08/11/15 09:39

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200			50 mL	50 mL	395502	08/11/15 12:52	BJB	TAL SAV
Dissolved	Analysis	200.7 Rev 4.4 Instrument ID: ICPF		1	50 mL	50 mL	395618	08/11/15 21:41	BCB	TAL SAV
Total/NA	Prep	200			50 mL	50 mL	395508	08/11/15 13:33	BJB	TAL SAV
Total/NA	Analysis	200.7 Rev 4.4 Instrument ID: ICPF		1	50 mL	50 mL	395618	08/12/15 00:04	BCB	TAL SAV
Total/NA	Analysis	2340B-2011 Instrument ID: ICPF		1			395680	08/12/15 00:04	BCB	TAL SAV
Dissolved	Prep	245.1			50 mL	50 mL	395561	08/11/15 15:17	BCB	TAL SAV
Dissolved	Analysis	245.1 Instrument ID: LEEMAN2		1	50 mL	50 mL	395684	08/11/15 19:25	BCB	TAL SAV
Total/NA	Prep	245.1			50 mL	50 mL	395561	08/11/15 15:18	BCB	TAL SAV
Total/NA	Analysis	245.1 Instrument ID: LEEMAN2		1	50 mL	50 mL	395684	08/11/15 19:43	BCB	TAL SAV
Total/NA	Analysis	2320B-2011 Instrument ID: MANTECH		1			395602	08/12/15 07:23	DAM	TAL SAV
Total/NA	Analysis	2540 D-2011 Instrument ID: NOEQUIP		1	20 mL	1000 mL	395501	08/11/15 13:06	DAM	TAL SAV
Total/NA	Analysis	2540C-2011 Instrument ID: NOEQUIP		1	50 mL	100 mL	395529	08/11/15 14:33	JER	TAL SAV
Total/NA	Analysis	4500 H+ B-2011 Instrument ID: MANTECH		1			395603	08/12/15 07:23	DAM	TAL SAV

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TestAmerica Savannah

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THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

[illegible]

680-19432

Form No. CA-C-WI-002, Rev. 4.5, dated 07/15/2015

1 2 3 4 5 6 7 8 9 10 11 12

Login Sample Receipt Checklist

Client: Weston Solutions, Inc.

Job Number: 680-115432-1

Login Number: 115432

List Source: TestAmerica Savannah

List Number: 1

Creator: Daughtry, Beth A

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	WO# listed on COC is incorrect
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	False	Hardness analysis is not listed on COC (listed under Special instructions)
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115432-1

Laboratory: TestAmerica Savannah

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Colorado	State Program	8	N/A	12-31-15
New Mexico	State Program	6	N/A	06-30-16

TestAmerica Savannah